

- FIG. 14. *Eumenes dyschera* ♂, Jan. 1900.
 15. *Trochilium* sp. , Umtali, 3700 feet, Dec. 1900.
 16. " " " " "
 17. *Bombylius* sp. nov., Feb. 1900.
 18. *Silvius pertusus*, Nov. 1898.
 The two remaining figures illustrate the mimicry of a large
 Asilid fly for a common type of African Xylocopid bee.
 19. *Xylocopa flavo-rufa* ♀, Oct. 1899.
 20. *Hyperochia marshalli* ♂, Feb. 1899. Mimic of the above.

EXPLANATION OF PLATE XXIII.

MASHONALAND ACULEATES AND THEIR MIMICS.

All the figures are about $\frac{1}{10}$ of the natural size.

All the specimens were captured by Guy A. K. Marshall at Salisbury, Mashonaland, 5000 feet.

Figs. 1 to 11 are a group of small insects with black head and thorax and yellow or fulvous abdomen.

- FIG. 1. *Elis aureola* ♀, April 1900.
 2. *Philanthus fuscipennis* ♀, Feb. 1900.
 3. " *diadema* ♀, Oct. 1899.
 4. " " ♂, Jan. 1900.
 5. " *bucephalus* ♂, Feb. 1900.
 6. *Rhynchium radiale* ♀, Jan. 1899.
 7. " *rubens*, var. ♀, Jan. 1899.
 8. " " var. ♀, Feb. 1900.
 9. *Sphecodes rufiventris* ♀, April 1899.
 10. *Chalcis bicolor* ♂, April 1900.
 11. *Athalia bicolor*, Jan. 1900.

The two following figures represent outlying members of the group represented in Figs. 14 to 19, the colour of the head and thorax being of a darker tint.

12. *Xylocopa lateritia* ♀, Jan. 1900.
 13. " *flavo-rufa* ♀, Oct. 1899.

Figs. 14 to 19 are black, dark-winged insects with yellowish head and thorax.

14. *Podalirius acraënsis* ♀, May 1899.
 15. *Anthophora basalis*? ♀, Oct. 1899.
 16. *Xylocopa olivacea* ♀, June 1900.
 17. " *modesta* ♀ " "

FIG. 18. *Elis caelebs* ♀, Dec. 16, 1900.

19. *Melittia* sp. " " Mimic of the above.

Figs. 20 to 29 and 31 are insects with dark-blue or blackish wings and yellow heads. Where the anterior yellow is most developed (as in Fig. 25) the group merges into the preceding one; where it is least, the convergence is towards the blue-winged group shown on Plates XX and XXI.

20. *Pompilus marshalli* ♀, Oct. 1899.

21. " *dichrous* ♂, Jan. 1900.

22. " " ♀, Oct. 1899.

23. " *luscivus* ♀, June 1900.

24. " *anticus* ♀, Jan. 1900.

25. *Salix tamiseri* ♀, Feb. 1899.

26. *Tachysphex fluctuatus* ♀, June 1900.

27. *Bromophila caffra*, Dec. 1899.

28. *Jonthodes sculptilis*, Nov. 1898 to Jan. 1899.

29. *Eletica rufa* ♂, Nov. 1898 to Jan. 1899.

Figs. 30, 32, and 33 are blue- or black-winged insects with yellow-banded legs which are very conspicuous during flight.

30. *Litopus dispar*, Feb. 1899.

31. *Iphiaulax ruber* ♀, Oct. 1900.

32. *Osprynchotus flavipes* ♀, Jan. 1900.

33. *Pirates æneicollis*, Dec. 1900.

Figs. 34 to 36 are black insects with narrow yellow bands and clear wings.

34. *Pompilus festivus* ♀, Jan. 1899.

35. *Myzine capitata* ♂ " "

36. *Metopius discolor* ♂ " "

Two flies with their model a *Megachile* bee.

37. *Megachile apiformis* ♂, Jan. 1899.

38. *Eumerus* sp. nov. ? " "

39. *Lacnecera mollis*, Mar. 1900.

The following figures represent a Syrphid fly which closely mimics a common social wasp.

40. *Polistes marginalis* ♀, Dec. 1898.

41. *Ceria gambiana* " "